

JOB NO. 4470 DIXIE CARRIERS
BARGE: DXE-1123 12/94

HER 04131

FOREMAN'S DAILY TIME REPORT

JOB NO. H470

DATE 12-21-94

CLASS NO. _____

DXE 1123

STRIP AND BLOW DRY

TOTAL HOURS

BADGE
NO.

NAME

179 C QUARTE

5.14

5 1/2

THE C. L. RIVERS

5/

5

21 SAM PETTIT

3

3

7B 6 DE LA ROSA

40 JOE OLIVAREZ

5 1/2

5 %

26 JIMMY JACKSON

60 RICHARD RODRIGUEZ

18 TRINO RODRIGUEZ

50 LARRY BALLINGES

2/

2

29	D	GUEL
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 $5\frac{1}{2}$

5:

HER 04132

TOTAL HOURS:

CODED
AND
ATTENDED

APPROVED

HERCULES

MARINE SERVICES CORPORATION

P. O. Drawer O • Freeport, Texas 77541

INVOICE NO. : 2744-94
DATE : Dec 29, 1994
Job No. : 4470-1
Location : Freeport Yard

TO: Dixie Carriers, Inc.
2102 Broadway
Houston, Texas 77012

PLEASE REMIT PAYMENTS TO:
11011 RICHMOND
SUITE 500
HOUSTON, TX. 77042

Terms : Net 30

FOR:

Services to the DXE-1123 as follows:

Set up equipment
Strip out all free product
Blow cargo pipeline and stripping system
Vacuum blow dry cargo tanks
Sweep powder from cargo tank floors
wash and strip deck around engine
Pressure test cargo pipeline to 40#psi
Clean off deck
Remove equipment
Close barge

TOTAL AMOUNT DUE:

\$1,800.00

Arrived: 12/21
Completed: 12/21

HER 04133

PHONE: (409) 233-6371

HERCULES OFFSHORE CO.

MARINE REPAIR

MARINE OPERATIONS FACILITY

INVOICE NO. _____

ORDER No. 4470

CUSTOMER P.O. _____

DATE	ORDER WRITTEN	STA
	ARRIVAL	
	COMPLETION DATE	
	DEPARTURE DATE	
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>		
NAME <u>DXF - 1123</u>		
LOA _____ BOW _____		
FOREMAN		
<u>C. DUARTE</u>		
LAST PRODUCT		
<u>MTT HULL</u>		
GAS FREEING YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
ON WAYS _____ DATE: _____		
ON WAYS _____ DATE: _____		

CUSTOMER	NAME	<u>DLXIE CARRIERS</u>
	BILLING ADDRESS	
	CITY AND STATE	
	PHONE NUMBER	
WORK AUTHORIZED BY		BY AUTHORIZED BY
<u>M. GREEN</u>		<u>M. GREEN</u>
STOCK MATERIAL <input type="checkbox"/> YES <input type="checkbox"/> NO		
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET		
OUTSIDE SERVICES IF YES, LIST <input type="checkbox"/> YES <input type="checkbox"/> NO		

ITEM NUMBERS

1	<u>STRIP AND BLOW DRY</u>
2	
3	
4	
5	
6	
7	
8	
9	
10	

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: _____ Date: _____

HER 04134



Strength through experience, equipment, know-how
P.O. Drawer O Office: (409) 233-6371
Freeport, Texas 77541 Fax: (409) 233-6375

FINAL CHECK LIST

DATE: 12-21-94

BARGE: DXE 1123

BLIND NUMBER CHECKED 2 REPLACED GASKET YES NO ☒

GATE VALVE NUMBER CHECKED 5 REPLACED GASKET YES NO ☒

PLUGS NUMBER CHECKED 1 REPLACED PLUG YES NO

* System Closed
CHECK VALVE NUMBER CHECKED N/A REPLACED GASKET YES NO

DEEPWELL BLIND NUMBER CHECKED 1 REPLACED GASKET YES ☒ NO

BELOW DECK CARGO PIPELINE BLIND NUMBER 2 REPLACED GASKET YES NO ☒

BELOW DECK CARGO PIPELINE BLIND REMOVED YES NO ☒

D RIP PANS VALVES: CLOSED BY Joe

D RIP PANS COVER: CLOSED BY Mingo

COMTAINMENT AREA PLUG OR VALVES: CLOSED BY N/A

AIR TEST CARGO LINE - 40psi - USING SOAP

SIGNATURE OF TESTER: Alejandro Pantoja

WITNESS: Jimmy C. Jackson

- * CHECK VALVE GASKET WILL BE REPLACED
- * AIR TEST IS LAST THING TO BE DONE BEFORE RELEASING BARGE.

HER 04135

JOB NO. H470 ETA _____
 BARGE NO. DXE 1123 DATE/TIME ARRIVAL 12-21-94 PM
 CUSTOMER _____ DATE/TIME STARTED 12-21-94 PM
 PRODUCT MENTHANOL DATE/TIME COMPLETED 12-21-94 12:30 PM
 TO ACETONE
 DISPOSAL AMOUNT _____ AMOUNT STRIPPED 200
 CLEANING INSTRUCTION BY: MIKE GREEN, STRIP & DRY BY: M. GREEN
 COMPLETION SCHEDULE BY: M. GREEN
 OVERTIME AUTHORIZED BY: M. GREEN
 BARGE INSPECTED BY: _____ DATE/TIME: _____
 BARGE RELEASED TO: _____ DATE/TIME: _____
 DEEPWELL OPENED: YES ☒ NO _____ CLOSED BY BIVETA NEW GASKET YES _____ NO ☒
 BELOW DECK CARGO PIPELINE: BLIND OPEN YES _____ NO ☒ CLOSED BY _____ NEW GASKET _____
 DECK CHECK VALVE OPENED: YES _____ NO _____ CLOSED BY _____ NEW GASKET YES _____ NO _____
 DECK HEADER BLINDS OPEN: YES ☒ NO _____ CLOSED BY TOP NEW GASKET YES _____ NO ☒
 DECK HEADER DRAIN PLUG OPEN: YES ☒ NO _____ CLOSED BY MINGO YES _____ NO _____
 VAPOR RECOVERY HEADER OPENED: YES ☒ NO _____ CLOSED BY MINGO NEW GASKET YES _____ NO ☒
 RUST SCALE: YES _____ NO ☒ WASHED OUT _____ BUCKETED OUT _____
 NUMBER OF CARGO TANKS 3
 CONDITION OF CARGO VALVES Good
 DRY TANK STRIPPED: YES ☒ NO _____ PIPE PRESSURE TEST DATE: _____
 DRIP PANS STRIPPED: YES ☒ NO _____
 WEATHER: TEMP 65 RAIN _____ FOG _____ HUMIDITY ☒ OVERCAST _____ CLOUDY _____ CLEAR _____
 PIPELINE WASHED: NO PIPELINE BLOWN ☒ PIPELINE SUMPS INSPECTED ☒
 BOW RAKE CHECKED: YES ☒ NO _____ STERN RAKE: YES ☒ NO _____
 VOIDS: YES ☒ NO _____ SAFETY EQUIPMENT USED: _____

WORK SCOPE

Set up equipment
 Strip out all free Product
 Blow cargo Pipe line + stripping system
 Vacuum Blow DRY CARGO TANKS
 SWEEP Powder from cargo tank floor
 wash + strip deck around engine
 Pressure test cargo Pipe line to 40 PSI
 Clean off deck
 Remove equipment
 Close Barge.

HER 04136

HERCULES OFFSHORE CORPORATION

MARINE DIVISION

JOB COST WORKSHEET

Job #: 4470

Date Started: December 21, 1994

Job Type: CLEANING

Customer: DIXIE CARRIERS

Invoice #:

Date Finished: December 21, 1994

Large Name/#: DxE-1123

Estimated Materials :

TOTAL Materials : 0.00

Estimated Labor :

TOTAL Labor	503.30
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Estimated Waste Water:

TOTAL Waste Water: 0.00

Total Estimated Cost :

0.00 TOTAL JOB COST : 503.30

AMOUNT BILLED : 1,800.00

PROFIT/(LOSS) : 1,296.70

WASTE WATER DISPOSAL

of Gallons:

x \$ 0.35

per gallon = \$: 0.00

MATERIALS

Invoice #

Vendor

P.O. #

Amount²

MATERIALS con't

Invoice #

Vendor

P.O. #

Amount

HER 04137

TOTAL MATERIALS : 0.00

LABOR HOURS

[illegible]

LABOR HOURS con't

[illegible]

HER 04138

HAZARDS COMMUNICATION STANDARD

OSHA 1910.1200

EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 12-21-94

Supervisor _____

Plant HERCULES

Client Safety _____

Area QAC Free Dock

DXE-1123

The following listed materials are considered to be hazardous to the employees working in this area:

MENTHANOI

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure.

I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>Alvin D. Dyer</u>			
<u>Dennis Dyer</u>			
<u>John Dyer</u>	<u>272</u>		
<u>Joe Dyer</u>	<u>40</u>		
<u>Jimmy C. Jackson</u>			

HER 04139

RECEIVED

MATERIAL SAFETY DATA SHEET

METHANOL

MSDS No.
MCR001423Rev. Date
02/16/86

LYONDELL PETROCHEMICAL COMPANY
1221 MCKINNEY AVENUE, SUITE 1600
P.O. BOX 3646
HOUSTON, TEXAS 77252-3646

IMPORTANT: Read this MSDS before
handling and disposing of this product
and pass this information on to
employees, customers, and users of
this product.
This product is considered a
hazardous substance under the
OSHA Hazard Communication Rule.

I. General			
Trade Name METHANOL		Telephone Numbers EMERGENCY 800/424-8300 CHEMTREC 215/353-8300 C.E.R.S. CUSTOMER SERVICE 713/682-7200 INFO ONLY	
Other Names METHYL ALCOHOL, WOOD ALCOHOL			
Chemical Family ALIPHATIC ALCOHOL	DOT Hazardous Materials Proper Shipping Name METHYL ALCOHOL		
Generic Name N/A	DOT Hazard Class FLAMMABLE LIQUID		
CAS No. SEE SECTION IX	Company ID No. E000142300	UN/NA ID No. UN 1230	
II. DANGER Summary of Hazards SEE SUPPLEMENT BEGINNING ON PAGE 7			
PHYSICAL HAZARDS:		EXTREMELY FLAMMABLE-MAY BURN WITH INVISIBLE FLAME	
ACUTE HEALTH EFFECTS: (SHORT-TERM)		MODERATE INHALATION HAZARD MODERATE EYE IRRITANT MODERATE SKIN ABSORPTION HAZARD MODERATE INGESTION HAZARD. SEE SUPPLEMENT SLIGHT SKIN IRRITANT	
CHRONIC HEALTH EFFECTS: (LONG-TERM)		SWALLOWING AS LITTLE AS ONE TO FOUR OUNCES OF METHANOL HAS BEEN REPORTED TO CAUSE DEATH OR SERIOUS IRREVERSIBLE INJURY SUCH AS BLINDNESS. SEE SUPPLEMENT	
III. Fire and Explosion			
Flash Point (Method) AP 50° F (CC)		Autoignition Temperature (Method) AP 725° F	
Flammable Limits (% Vol. in Air) At Normal Atmospheric Temperature and Pressure Lower AP 6 Upper AP 36			
Fire and Explosion Hazards RELEASES FLAMMABLE VAPORS BELOW NORMAL AMBIENT TEMPERATURES. WHEN MIXED WITH AIR AND EXPOSED TO IGNITION SOURCE, CAN BURN IN OPEN OR EXPLODE IF CONFINED. MIXTURES WITH WATER AND AS LITTLE AS 21% (BY VOL) METHANOL ARE STILL FLAMMABLE (FLASH PT. <100 F). UNDER SOME CIRCUMSTANCES, MAY CORRODE CERTAIN METALS, INCLUDING ALUMINUM AND ZINC, AND GENERATE HYDROGEN GAS.			
Extinguishing Media DRY CHEMICAL CO2 WATERSPRAY FOAM FOR ALCOHOLS		WATER FOG HER 04140	
Special Firefighting Procedures A METHANOL FIRE MAY NOT BE VISIBLE TO THE NAKED EYE. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION. SEE "DECOMPOSITION PRODUCTS POSSIBLE." FIGHT FIRE FROM SAFE DISTANCE/PROTECTED LOCATION. HEAT MAY BUILD PRESSURE/RUPTURE CLOSED CONTAINERS, SPREADING FIRE, INCREASING RISK OF BURNS/INJURIES. APPLY AQUEOUS EXTINGUISHING MEDIA CAREFULLY TO AVOID FROTHING AND LIMIT EXPOSURE OF NEARBY EQUIPMENT. NOTIFY AUTHORITIES IF LIQUID ENTERS SEWER/PUBLIC WATERS.			

IV.	Health Hazards	SEE SUPPLEMENT BEGINNING ON PAGE 7
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Summary of Acute Hazards	MODERATE HEALTH HAZARD - SEE BELOW FOR ROUTE-SPECIFIC DETAILS.
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ROUTE OF EXPOSURE	SIGNS AND SYMPTOMS	Primary Route(s)
Inhalation	OVEREXPOSURE MAY CAUSE COUGHING, SHORTNESS OF BREATH, DIZZINESS, INTOXICATION AND COLLAPSE.	<input checked="" type="checkbox"/>
Eye Contact	MAY CAUSE MODERATE IRRITATION, INCLUDING BURNING SENSATION, TEARING, REDNESS OR SWELLING.	<input checked="" type="checkbox"/>
Skin Absorption	EXPOSURE TO THIS MATERIAL CAN RESULT IN ABSORPTION THROUGH SKIN CAUSING HEALTH HAZARD.	<input checked="" type="checkbox"/>
Skin Irritation	MAY PRODUCE SKIN IRRITATION.	<input type="checkbox"/>
Ingestion	SEE SUPPLEMENT	<input checked="" type="checkbox"/>
Summary of Chronic Hazards and Special Health Effects	SEE SUPPLEMENT	
	SEE SUPPLEMENT	

V.	Protective Equipment and Other Control Measures
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Respiratory	DO NOT USE AIR-PURIFYING RESPIRATOR. ONLY NIOSH/MSHA APPROVED SUPPLIED AIR OR SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE ARE SATISFACTORY. IF EXPOSURE CAN EXCEED THE PEL/TLV.
Eye	EYE PROTECTION SUCH AS CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD MUST BE WORN WHEN POSSIBILITY EXISTS FOR EYE CONTACT DUE TO SPLASHING OR SPRAYING LIQUID, AIRBORNE PARTICLES, OR VAPOR. CONTACT LENSES SHOULD NOT BE WORN.
Skin	WHEN SKIN CONTACT IS POSSIBLE, PROTECTIVE CLOTHING INCLUDING GLOVES, APRON, SLEEVES, BOOTS, HEAD AND FACE PROTECTION SHOULD BE WORN. THIS EQUIPMENT MUST BE CLEANED THOROUGHLY AFTER EACH USE.
Engineering Controls	GENERAL ROOM OR LOCAL EXHAUST VENTILATION IS USUALLY REQUIRED TO MEET EXPOSURE STANDARD(S).
Other Hygienic and Work Practices	EMERGENCY EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING/WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

VI.	Occupational Exposure Limits
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Substance	Source	Date	Type	Value/Units	Time
METHYL ALCOHOL - SKIN	ACGIH	1984	TWA	200 PPM	8 HRS
			STEL	250 PPM	15 MIN
	OSHA	1971	TWA	200 PPM	8 HRS

HER 04141

METHANOL

MSDS No.
HC0001423
Rev. Date
02/03/88

VII

Emergency and First Aid

Inhalation	IMMEDIATELY REMOVE FROM CONTAMINATED AREA TO FRESH AIR. KEEP INDIVIDUAL QUIET. FOR RESPIRATORY DISTRESS, GIVE AIR OR OXYGEN AND/OR ADMINISTER CARDIOPULMONARY RESUSCITATION (CPR). OBTAIN EMERGENCY MEDICAL ATTENTION.
Eye Contact	IMMEDIATELY FLUSH EYES WITH PLENTY OF CLEAN LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION.
Skin Contact	IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE; WASH OR DISCARD CONTAMINATED LEATHER SHOES/GLOVES.
Ingestion	SEE "EMERGENCY MEDICAL TREATMENT PROCEDURES" AND THE MSDS SUPPLEMENT PAGE.
Emergency Medical Treatment Procedures	METHANOL INGESTION IS LIFE-THREATENING. IF SWALLOWED AND CONSCIOUS, DRINK TWO GLASSES OF WATER AND INDUCE VOMITING BY FINGER DOWN THE THROAT OR WITH SYRUP OF IPECAC. FOLLOW EMESIS WITH TWO TEASPOONS OF BAKING SODA IN WATER. SYMPTOM ONSET MAY BE DELAYED. ETHANOL THERAPY MAY BE INDICATED. SEE THE SUPPLEMENT PAGE FOR ADDITIONAL INFORMATION.

VIII

Spill and Disposal

Precautions if Material is Spilled or Released	CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. EVACUATE ALL NON-ESSENTIAL PERSONNEL. IN URBAN AREAS, CLEAN UP ASAP. IN NATURAL ENVIRONMENTS, SEEK ADVICE FROM ECOLOGISTS. USE PROPER PROTECTIVE EQUIPMENT. BLANKET WITH FOAM OR USE WATER FOG TO DISPERSE VAPORS. PADS OR ABSORBANT MATERIALS CAN BE USED. THIS MATERIAL WILL FLOAT ON WATER AND RUN-OFF MAY CREATE AN EXPLOSION OR FIRE HAZARD. AVOID ENTRY INTO WATER BODIES. COMPLY WITH ALL LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802). THE SPILLED MATERIAL AND ANY WATER OR SOIL WHICH IT HAS CONTACTED MAY BE HAZARDOUS TO HUMAN AND OTHER LIFE.
Waste Disposal Methods	FOR LARGE SPILLS, MAXIMIZE PRODUCT RECOVERY FOR REUSE OR RECYCLING. FREE LIQUID MAY BE COLLECTED USING EXPLOSION-PROOF DIESEL OR VACUUM PUMPS. FOR CLEANUP OR SMALL SPILLS, ABSORB MATERIAL WITH COMBUSTIBLE PADS OR SOLIDIFICATION ADDITIVE. TRANSPORT WASTE MATERIALS IN A D.O.T.-APPROVED CONTAINER. DISPOSE OF THEM IN A LICENSED FACILITY WHICH IS PERMITTED TO HANDLE RCRA HAZARDOUS LIQUID WASTE. INCINERATION IS THE RECOMMENDED DISPOSAL METHOD. FOR SPILLS ON WATER, COLLECT FLOATING MATERIAL WITH A VACUUM SYSTEM OR ABSORBANT PADS AND HANDLE AS AN EPA "IGNITABLE HAZARDOUS WASTE". BIODEGRADATION MAY BE USED; HOWEVER, GENERATION OF TOXIC VAPORS SHOULD BE AVOIDED.

IX

Components

(This may not be a complete list of components)

Component Name	CAS No.	Carcinogen#	Composition amount (wt.) (See Qualification on Page 4)
METHANOL (METHYL ALCOHOL)	67-56-1	N/AP	67 99 PERCENT

HER 04142

#Listed By: 1 = NTP, 2 = IARC, 3 = OSHA, 4 = Other

Compositions given are typical values, not specifications.

X. Physical and Chemical Data

Boiling Point (At 760.0 mm Hg) AP 147° F	Viscosity Units, Temp. Method AP 1 CPS AT 30° C (D-445)	Dry Point N/AP
Freezing Point AP -144° F	Vapor Pressure (MM HG AT 68° F) AP 96	Volatile Characteristics APPRECIABLE
Specific Gravity (H ₂ O = 1 at 59.2° F) AP 0.79	Vapor Sp. Gr. (Air = 1.0 at 60° - 80° F) AP 1.1	Solubility in Water COMPLETE
Hazardous Polymerization NOT EXPECTED TO OCCUR	Other Chemical Reactivity N/P	pH N/AP
		Stability STABLE

Other Physical and Chemical Properties MOLECULAR WEIGHT = 32.04;
EVAPORATION RATE = 4.6 (IF N-BUTYL ACETATE = 1.0).

Appearance and Odor CLEAR, COLORLESS LIQUID; FAINT, CHARACTERISTIC ALCOHOL ODOR;
ODOR THRESHOLD = 55 PPM IN AIR; ODOR IS NOT A GOOD INDICATOR OF EXPOSURE LEVEL.

Conditions to Avoid HEAT, SPARKS, OPEN FLAME, AND OXIDIZING CONDITIONS.

Materials to Avoid STRONG OXIDIZING AGENTS; ALUMINUM, ZINC (GALVANIZED), OR ANY OTHER REACTIVE METAL WHICH WILL DISPLACE HYDROGEN; CERTAIN FORMS OF PLASTICS; AND RUBBER OR RUBBER-BASED COATINGS.

Hazardous Decomposition Products INCOMPLETE COMBUSTION WILL GENERATE HIGHLY POISONOUS CARBON MONOXIDE AND PERHAPS OTHER TOXIC VAPORS SUCH AS FORMALDEHYDE.

XI. Additional Precautions

Handling, Storage and Decontamination Procedures STORE ONLY IN TIGHTLY CLOSED/ PROPERLY VENTED CONTAINERS AWAY FROM HEAT/ SPARKS/OPEN FLAMES/STRONG OXIDIZING AGENTS. USE ONLY NON-SPARKING TOOLS. BLANKET STORAGE WITH DRY INERT GAS. STORE DRUMS WITH BUNG IN UP POSITION. CAREFULLY VENT INTERNAL PRESSURE BEFORE REMOVING CLOSURE. GROUND CONTAINERS BEFORE TRANSFER. WILL ABSORB ATMOSPHERIC MOISTURE. ELECTRICAL EQUIPMENT SHOULD CONFORM TO NATIONAL ELECTRIC CODE. CARBON STEEL IS SATISFACTORY MATERIAL OF CONSTRUCTION. DO NOT STORE IN ALUMINUM OR ZINC (GALVANIZED). HANDLE "EMPTY" DRUMS WITH CARE/VAPOR RESIDUE MAY BE FLAMMABLE/POISONOUS.

ISOLATE, VENT, DRAIN, WASH AND PURGE SYSTEMS OR EQUIPMENT BEFORE ANY REPAIR OR MAINTENANCE. REMOVE ALL IGNITION SOURCES. CHECK ATMOSPHERE FOR OXYGEN DEFICIENCIES AND EXPLOSIVITY. USE ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AND OBSERVE PRECAUTIONS PERTAINING TO CONFINED SPACE ENTRY.

General Comments

SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE MIXTURE ITSELF.

- - - Note - - - Qualifications: EQ = Equal AP = Approximately N/P = No Applicable Information Found
LT = Less Than UK = Unknown N/AP = Not Applicable
GT = Greater Than TR = Trace N/DA = No Data Available

Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

METHANOL

MSDS No.
HCR001423
Rev. 02/03/88

XII

Label Information

Manufacturer:	LYONDELL PETROCHEMICAL COMPANY 1221 MCKINNEY AVENUE, SUITE 1600 P.O. BOX 3646 HOUSTON, TEXAS 77253-3646	Telephone Numbers EMERGENCY 800/424-9300 CHEMTREC 800/245-4532 HOT LINE CUSTOMER SERVICE 713/652-7200 INFO ONLY
Use Statement	FOR INDUSTRIAL USE ONLY KEEP OUT OF REACH OF CHILDREN	
Signal Word:	DANGER	
Physical Hazards:		
	EXTREMELY FLAMMABLE	CORROSIVE TO SOME METALS
Health Hazards:	HIGH INGESTION HAZARD INHALATION HAZARD MAY DAMAGE THE OPTIC NERVE MAY CAUSE LONG-TERM ADVERSE HEALTH EFFECTS MAY CAUSE KIDNEY DAMAGE	HIGH SKIN CONTACT HAZARD SEVERE EYE IRRITANT SKIN IRRITANT - DEFATTING ACTION MUCOUS MEMBRANE IRRITANT PROLONGED EXPOSURE MAY DAMAGE THE LUNGS & LIVER
Precautionary Measures:	DO NOT HANDLE NEAR HEAT, SPARKS, OR OPEN FLAME. SPILL/LEAK CAN CAUSE FIRE/EXPLOSION. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT CONTACT WITH OXIDIZABLE MATERIALS. USE ONLY WITH ADEQUATE VENTILATION/PERSONAL PROTECTION. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. WASH THOROUGHLY AFTER HANDLING. PREVENT CONTACT WITH FOOD, CHEWING, OR SMOKING MATERIALS. DO NOT TASTE/SWALLOW.	
DOT Information:	UN/NA ID Number- UN 1230 Hazard Class- FLAMMABLE LIQUID Proper Shipping- METHYL ALCOHOL	
Instructions:	ALCOHOL TYPE FOAM DRY CHEMICAL CO2	MALON FOAM WATERSPRAY
		HER 04144
First Aid -Inhalation	IMMEDIATELY REMOVE FROM CONTAMINATED AREA TO FRESH AIR. KEEP INDIVIDUAL QUIET. FOR RESPIRATORY DISTRESS, GIVE AIR OR OXYGEN AND/OR ADMINISTER CARDIOPULMONARY RESUSCITATION (CPR). OBTAIN EMERGENCY MEDICAL ATTENTION.	
-Eye Contact	IMMEDIATELY FLUSH EYES WITH PLENTY OF CLEAN LOW-PRESSURE WATER FOR AT LEAST 15 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION.	
-Skin Contact	IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE; WASH OR DISCARD CONTAMINATED LEATHER SHOES/GLOVES. SEE "EMERGENCY MEDICAL TREATMENT PROCEDURES" AND THE MSDS SUPPLEMENT PAGE.	
-Ingestion		
In case of spill,	CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. EVACUATE ALL NON-ESSENTIAL PERSONNEL. IN URBAN AREAS, CLEAN UP ASAP. IN NATURAL ENVIRONMENTS, SEEK ADVICE FROM ECOLOGISTS. USE PROPER PROTECTIVE EQUIPMENT. BLANKET WITH FOAM OR USE WATER FOG TO DISPERSE VAPORS. PADS OR ABSORBANT MATERIALS CAN BE USED. THIS MATERIAL WILL FLOAT ON WATER AND RUN-OFF MAY CREATE AN EXPLOSION OR FIRE HAZARD. AVOID ENTRY INTO WATER BODIES. COMPLY WITH ALL LAWS. SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802). THE SPILLED MATERIAL AND ANY WATER OR SOIL WHICH IT HAS CONTACTED MAY BE HAZARDOUS TO HUMAN AND OTHER LIFE.	
Protective Equipment:		
-Respiratory	DO NOT USE AIR-PURIFYING RESPIRATOR. ONLY NIOSH/MSHA APPROVED SUPPLIED AIR OR SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE	
-Eye	EYE PROTECTION SUCH AS CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD MUST BE WORN WHEN POSSIBILITY EXISTS FOR EYE CONTACT DUE TO SPLASHING OR SPRAYING	
-Skin	WHEN SKIN CONTACT IS POSSIBLE, PROTECTIVE CLOTHING INCLUDING GLOVES, APRON, SLEEVES, BOOTS, HEAD AND FACE PROTECTION SHOULD BE WORN.	

MSDS No.
HCRO0442
Rev. Date
02/03/20

Supplement

INGESTION OF THIS PRODUCT, EVEN IN SMALL AMOUNTS, CAN CAUSE BLINDNESS AND DEATH. ONSET OF SYMPTOMS MAY BE DELAYED FOR 18-24 HOURS. TREATMENT PRIOR TO ONSET OF OBVIOUS SYMPTOMS MAY BE LIFE-
SAVING. METHANOL IS RAPIDLY ABSORBED AND EMESIS SHOULD BE INITIATED EARLY TO BE EFFECTIVE. WITHIN
30 MINUTES OF INGESTION, IF POSSIBLE, ADMINISTER SYRUP OF IPECAC. AFTER THE DOSE IS GIVEN,
ENCOURAGE PATIENT TO TAKE 6-8 OUNCES OF CLEAR NON-CARBONATED FLUID. DOSE MAY BE REPEATED ONCE IF
EMESIS DOES NOT OCCUR WITHIN 20-30 MINUTES. ADMINISTRATION OF AN AQUEOUS SLURRY OF ACTIVATED
CHARCOAL WITH MAGNESIUM CITRATE OR SORBITOL AS A CATHARTIC HAS BEEN REPORTED HELPFUL.

ETHANOL INHIBITS THE FORMATION OF TOXIC METABOLITES. IF ETHANOL THERAPY IS INDICATED, ADMINISTER A LOADING DOSE OF 7.6-10 ML/KG OF BODY WEIGHT OF 10% ETOH IN D5W OVER 30-60 MINUTES. MAINTENANCE DOSE IS 4-6 ML/KG OF 10% ETOH TO ACHIEVE A 100-120 MG/DL BLOOD ETOH LEVEL DURING ETHANOL THERAPY. (IF CHARCOAL IS ADMINISTERED, ETHANOL SHOULD BE ADMINISTERED INTRAVENOUSLY AND NOT ORALLY.)

MAINTAIN CONTACT WITH EDISON CONTROL CENTER DURING ALL ASPECTS OF DIAGNOSIS AND TREATMENT.

TOXIC SUBSTANCE CONTROL ACT (TSCA) - (40 CFR 700-799)
METHANOL IS LISTED ON THE TSCA INVENTORY.

CLEAN AIR ACT SECTION 111 - (40 CFR 60.438)

THE EPA CLASSIFIES METHANOL AS A "VOLATILE ORGANIC CHEMICAL".

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) - (40 CFR 302)

RELEASED OR SPILLED QUANTITIES OF 5000 POUNDS OR MORE OF METHANOL (METHYL ALCOHOL) MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802).

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) - (40 CFR 260-280)

THE EPA CLASSIFIES METHANOL AS AN "IGNITABLE WASTE". THE HAZARDOUS WASTE NUMBER FOR METHANOL IS U154.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). TITLE III - (40 CFR 355 AND 370)

UNDER THE PROVISIONS OF SECTION 311/312, METHANOL IS CLASSIFIED INTO THE FOLLOWING HAZARD CATEGORIES: IMMEDIATE HEALTH, DELAYED HEALTH, AND FIRE.

THE EPA CLASSIFIES METHANOL AS A "TOXIC CHEMICAL" THAT IS REPORTABLE UNDER SECTION 313.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1988--PROPOSITION 65

METHANOL IS NOT REGULATED BY THE STATE OF CALIFORNIA HEALTH AND WELFARE AGENCY.

HER 04145

HERCULES OFFSHORE CO.

INVOICE NO. _____

MARINE REPAIR

MARINE OPERATIONS FACILITY

CUSTOMER P.O. _____

ORDER No. 4470

DATE	ORDER WRITTEN	BY
	12-21-94	
	ARRIVAL	
	12-21-94	
E	COMPLETION DATE	
	12-21-94	
	DEPARTURE DATE	
	M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/>	
	NAME <u>DYE - 1123</u>	LOA
	FOREMAN	
	<u>C. DUARTE</u>	
	LAST PRODUCT	
	<u>METHANOL</u>	
	GAS FREEING YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
	HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
	ON WAYS	DATE: _____
	ON WAYS	DATE: _____

CUSTOMER	NAME	
	<u>DIXIE CARRIERS</u>	
	BILLING ADDRESS	
	CITY AND STATE	
	PHONE NUMBER	
	WORK AUTHORIZED BY	BY AUTHORIZED BY
	<u>M. GREEN</u>	<u>M. GREEN</u>
	STOCK MATERIAL	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET	
	OUTSIDE SERVICES	<input type="checkbox"/> YES <input type="checkbox"/> NO
	IF YES, LIST	

ITEM NUMBERS

- 1 STRIP AND BLOW DRY
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: _____ Date: _____

HER 04146